

OIL ANALYSIS REPORT

Plant US1 Greenville **BD-9** - Roller Nose Gearbox

Component Gearbox Fluid

SHELL OMALA 460 (12 GAL)

Sample Rating Trend



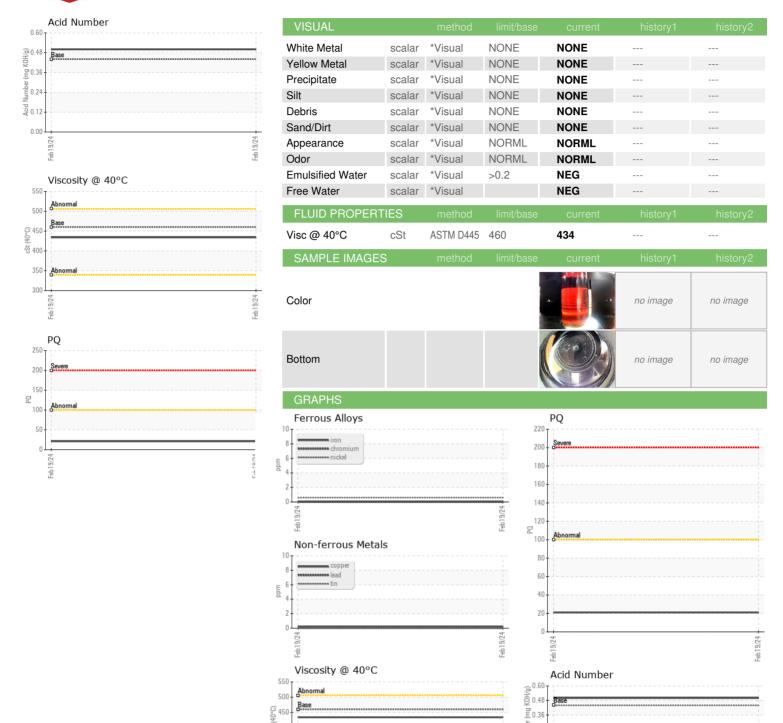
SHELL OMALA 400 (12 GAL)				Feb 2024	
DIAGNOSIS	SAMPLE INFORMATION	ON method	limit/base	current	histo
Recommendation	Sample Number	Client Info		TLC0001547	
Resample at the next service interval to monitor.	Sample Date	Client Info		19 Feb 2024	
Wear	Machine Age hrs	Client Info		0	
All component wear rates are normal.	Oil Age hrs	Client Info		0	
Contamination	Oil Changed	Client Info		N/A	
There is no indication of any contamination in the	Sample Status			NORMAL	
oil.	CONTAMINATION	method	limit/base	current	histo
Fluid Condition The AN level is acceptable for this fluid. The	Water	WC Method	>0.2	NEG	
condition of the oil is suitable for further service.	WEAR METALS	method	limit/base	current	histo
	PQ	ASTM D8184		21	

Sample Number		Client Info		TLC0001547		
Sample Date		Client Info		19 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	Ν	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		21		
Iron	ppm	ASTM D5185m	>200	0		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.2	7		
Barium	ppm	ASTM D5185m	0.0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	0	<1		
Calcium	ppm	ASTM D5185m	0.0	2		
Phosphorus	ppm	ASTM D5185m	290	273		
Zinc	ppm	ASTM D5185m	3.8	0		
Sulfur	ppm	ASTM D5185m	8167	15453		
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0 44	0.50		

Acid Number (AN)	ma KOH/a	ASTM D8045	0 44	0.50		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Potassium	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		<1		
Silicon	ppm	ASTM D5185m	>50	1		



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Certificate L2367

Laboratory Sample No.

: TLC0001547 Lab Number : 06098565 Unique Number: 10896795 Test Package : PLANT

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350

300

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Feb 2024 **Tested** : 26 Feb 2024

: 26 Feb 2024 - Wes Davis Diagnosed

은 0.24

0.12

0.00

MICHELIN TIRE-GREENVILLE US 1 JN DOCK 1401 ANTIOCH CHURCH ROAD

Greenville, SC US 29605

Contact: Nicolas Jackson

To discuss this sample report, contact Customer Service at 1-800-237-1369. nicolas.jackson@michelin.com T:

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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